

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/555,860  
Source: PCT(IFWP)  
Date Processed by STIC: 8/16/06

# ***ENTERED***

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/555,860

CRF Edit Date: 8/16/06  
Edited by: ML

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

✓  
\_\_\_ Other: Sequences 4, 5 - corrected spelling of "synthetic"

\_\_\_\_\_

\_\_\_\_\_



IFWP

## RAW SEQUENCE LISTING

DATE: 08/16/2006

PATENT APPLICATION: US/10/555,860

TIME: 16:01:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162006\J555860.raw

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3 <110> APPLICANT: Holmes, Christopher P.
4      Tumelty, David
5      Yin, Qun
7 <120> TITLE OF INVENTION: NOVEL SPACER MOIETY FOR POLY (ETHYLENE GLYCOL) MODIFIED
PEPTIDE
8      BASED COMPOUNDS
10 <130> FILE REFERENCE: 04279/100M213-US1
12 <140> CURRENT APPLICATION NUMBER: 10/555,860
13 <141> CURRENT FILING DATE: 2005-11-01
15 <150> PRIOR APPLICATION NUMBER: 60/469,996
16 <151> PRIOR FILING DATE: 2003-05-12
18 <150> PRIOR APPLICATION NUMBER: PCT/US04/14887
19 <151> PRIOR FILING DATE: 2004-05-12
21 <160> NUMBER OF SEQ ID NOS: 9
23 <170> SOFTWARE: PatentIn version 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 20
27 <212> TYPE: PRT
28 <213> ORGANISM: artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: synthetic peptide
34 <220> FEATURE:
35 <221> NAME/KEY: MISC_FEATURE
36 <222> LOCATION: (1)..(1)
37 <223> OTHER INFORMATION: Xaa is N-acetylglycine
39 <220> FEATURE:
40 <221> NAME/KEY: MISC_FEATURE
41 <222> LOCATION: (13)..(13)
42 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine
44 <220> FEATURE:
45 <221> NAME/KEY: MISC_FEATURE
46 <222> LOCATION: (20)..(20)
47 <223> OTHER INFORMATION: Xaa is sarcosine
49 <400> SEQUENCE: 1
W--> 51 Xaa Gly Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln
52 1          5          10          15
55 Pro Leu Arg Xaa
56          20
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 15
61 <212> TYPE: PRT
62 <213> ORGANISM: artificial
64 <220> FEATURE:
65 <223> OTHER INFORMATION: synthetic peptide

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## RAW SEQUENCE LISTING

DATE: 08/16/2006

PATENT APPLICATION: US/10/555,860

TIME: 16:01:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162006\J555860.raw

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68 <220> FEATURE:
69 <221> NAME/KEY: MISC_FEATURE
70 <222> LOCATION: (1)..(1)
71 <223> OTHER INFORMATION: Xaa is N-acetylsoleucine
73 <400> SEQUENCE: 2
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      76 1           5           10           15
79 <210> SEQ ID NO: 3
80 <211> LENGTH: 14
81 <212> TYPE: PRT
82 <213> ORGANISM: artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: synthetic peptide
88 <220> FEATURE:
89 <221> NAME/KEY: MISC_FEATURE
90 <222> LOCATION: (1)..(1)
91 <223> OTHER INFORMATION: Xaa is N-acetylsoleucine
93 <400> SEQUENCE: 3
W--> 95 Xaa Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
      96 1           5           10
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 20
101 <212> TYPE: PRT
102 <213> ORGANISM: artificial
104 <220> FEATURE:
105 <223> OTHER INFORMATION: synthetic peptide
108 <220> FEATURE:
109 <221> NAME/KEY: MISC_FEATURE
110 <222> LOCATION: (1)..(1)
111 <223> OTHER INFORMATION: Xaa is N-acetylglycine
113 <220> FEATURE:
114 <221> NAME/KEY: MISC_FEATURE
115 <222> LOCATION: (13)..(13)
116 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine
118 <400> SEQUENCE: 4
W--> 120 Xaa Gly Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln
      121 1           5           10           15
124 Pro Leu Arg Lys
125           20
128 <210> SEQ ID NO: 5
129 <211> LENGTH: 14
130 <212> TYPE: PRT
131 <213> ORGANISM: artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: synthetic peptide
137 <220> FEATURE:
138 <221> NAME/KEY: MISC_FEATURE
139 <222> LOCATION: (1)..(1)
140 <223> OTHER INFORMATION: Xaa is N-acetylsoleucine

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## RAW SEQUENCE LISTING

DATE: 08/16/2006

PATENT APPLICATION: US/10/555,860

TIME: 16:01:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162006\J555860.raw

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142 <220> FEATURE:
143 <221> NAME/KEY: MISC_FEATURE
144 <222> LOCATION: (9)..(9)
145 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine
147 <220> FEATURE:
148 <221> NAME/KEY: MISC_FEATURE
149 <222> LOCATION: (14)..(14)
150 <223> OTHER INFORMATION: Xaa is sarcosine
152 <400> SEQUENCE: 5
W--> 154 Xaa Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Xaa
      155 1          5          10
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 14
160 <212> TYPE: PRT
161 <213> ORGANISM: artificial
163 <220> FEATURE:
164 <223> OTHER INFORMATION: synthetic peptide
167 <220> FEATURE:
168 <221> NAME/KEY: MISC_FEATURE
169 <222> LOCATION: (1)..(1)
170 <223> OTHER INFORMATION: Xaa is N-acetylisoleucine
172 <220> FEATURE:
173 <221> NAME/KEY: MISC_FEATURE
174 <222> LOCATION: (14)..(14)
175 <223> OTHER INFORMATION: Xaa is sarcosine
177 <400> SEQUENCE: 6
W--> 179 Xaa Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Xaa
      180 1          5          10
183 <210> SEQ ID NO: 7
184 <211> LENGTH: 10
185 <212> TYPE: PRT
186 <213> ORGANISM: artificial
188 <220> FEATURE:
189 <223> OTHER INFORMATION: synthetic peptide
192 <220> FEATURE:
193 <221> NAME/KEY: MISC_FEATURE
194 <222> LOCATION: (1)..(1)
195 <223> OTHER INFORMATION: Xaa is C
197 <220> FEATURE:
198 <221> NAME/KEY: MISC_FEATURE
199 <222> LOCATION: (2)..(2)
200 <223> OTHER INFORMATION: Xaa is R, H, L, or W
202 <220> FEATURE:
203 <221> NAME/KEY: MISC_FEATURE
204 <222> LOCATION: (3)..(3)
205 <223> OTHER INFORMATION: Xaa is M, F, or I
207 <220> FEATURE:
208 <221> NAME/KEY: MISC_FEATURE
209 <222> LOCATION: (6)..(6)

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## RAW SEQUENCE LISTING

DATE: 08/16/2006

PATENT APPLICATION: US/10/555,860

TIME: 16:01:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162006\J555860.raw

210 <223> OTHER INFORMATION: Xaa is any one of the 20 genetically coded L-amino acids  
 212 <220> FEATURE:  
 213 <221> NAME/KEY: MISC\_FEATURE  
 214 <222> LOCATION: (9)..(9)  
 215 <223> OTHER INFORMATION: Xaa is D, E, I, L, or V  
 217 <220> FEATURE:  
 218 <221> NAME/KEY: MISC\_FEATURE  
 219 <222> LOCATION: (10)..(10)  
 220 <223> OTHER INFORMATION: Xaa is C  
 222 <400> SEQUENCE: 7  
 W--> 224 Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa  
 225 1 5 10  
 228 <210> SEQ ID NO: 8  
 229 <211> LENGTH: 17  
 230 <212> TYPE: PRT  
 231 <213> ORGANISM: artificial  
 233 <220> FEATURE:  
 234 <223> OTHER INFORMATION: synthetic peptide  
 237 <220> FEATURE:  
 238 <221> NAME/KEY: MISC\_FEATURE  
 239 <222> LOCATION: (11)..(11)  
 240 <223> OTHER INFORMATION: Xaa is tryptophan (W), 1-naphthylalanine (1-nal), or  
 241 2-naphthylalanine (2-nal)  
 243 <400> SEQUENCE: 8  
 W--> 245 Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln Pro Leu  
 246 1 5 10 15  
 249 Arg  
 253 <210> SEQ ID NO: 9  
 254 <211> LENGTH: 21  
 255 <212> TYPE: PRT  
 256 <213> ORGANISM: artificial  
 258 <220> FEATURE:  
 259 <223> OTHER INFORMATION: synthetic peptide  
 262 <220> FEATURE:  
 263 <221> NAME/KEY: MISC\_FEATURE  
 264 <222> LOCATION: (1)..(1)  
 265 <223> OTHER INFORMATION: Xaa is N-acetylglycine  
 267 <220> FEATURE:  
 268 <221> NAME/KEY: MISC\_FEATURE  
 269 <222> LOCATION: (13)..(13)  
 270 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine  
 272 <220> FEATURE:  
 273 <221> NAME/KEY: MISC\_FEATURE  
 274 <222> LOCATION: (20)..(20)  
 275 <223> OTHER INFORMATION: Xaa is sarcosine  
 277 <400> SEQUENCE: 9  
 W--> 279 Xaa Gly Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln  
 280 1 5 10 15  
 283 Pro Leu Arg Xaa Lys

**RAW SEQUENCE LISTING**

DATE: 08/16/2006

PATENT APPLICATION: US/10/555,860

TIME: 16:01:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162006\J555860.raw

284

20

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/555,860

DATE: 08/16/2006  
TIME: 16:01:07

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\08162006\J555860.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,13,20  
Seq#:2; Xaa Pos. 1  
Seq#:3; Xaa Pos. 1  
Seq#:4; Xaa Pos. 1,13  
Seq#:5; Xaa Pos. 1,9,14  
Seq#:6; Xaa Pos. 1,14  
Seq#:7; Xaa Pos. 1,2,3,6,9,10  
Seq#:8; Xaa Pos. 11  
Seq#:9; Xaa Pos. 1,13,20

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9



**VERIFICATION SUMMARY**

DATE: 08/16/2006

PATENT APPLICATION: US/10/555,860

TIME: 16:01:07

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08162006\J555860.raw

L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
M:341 Repeated in SeqNo=9

**Raw Sequence Listing before editing  
(for reference only)**



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/555,860

DATE: 08/14/2006  
TIME: 13:37:41

Input Set : A:\00755761.TXT  
Output Set: N:\CRF4\08142006\J555860.raw

3 <110> APPLICANT: Holmes, Christopher P.  
4 Tumelty, David  
5 Yin, Qun  
7 <120> TITLE OF INVENTION: NOVEL SPACER MOIETY FOR POLY (ETHYLENE GLYCOL)

## MODIFIED PEPTIDE

8 BASED COMPOUNDS  
10 <130> FILE REFERENCE: 04279/100M213-US1  
12 <140> CURRENT APPLICATION NUMBER: 10/555,860  
13 <141> CURRENT FILING DATE: 2005-11-01  
15 <150> PRIOR APPLICATION NUMBER: 60/469,996  
16 <151> PRIOR FILING DATE: 2003-05-12  
18 <150> PRIOR APPLICATION NUMBER: PCT/US04/14887  
19 <151> PRIOR FILING DATE: 2004-05-12  
21 <160> NUMBER OF SEQ ID NOS: 9  
23 <170> SOFTWARE: PatentIn version 3.3  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 20  
27 <212> TYPE: PRT  
28 <213> ORGANISM: artificial  
30 <220> FEATURE:  
31 <223> OTHER INFORMATION: synthetic peptide  
34 <220> FEATURE:  
35 <221> NAME/KEY: MISC\_FEATURE  
36 <222> LOCATION: (1)..(1)  
37 <223> OTHER INFORMATION: Xaa is N-acetylglycine  
39 <220> FEATURE:  
40 <221> NAME/KEY: MISC\_FEATURE  
41 <222> LOCATION: (13)..(13)  
42 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine  
44 <220> FEATURE:  
45 <221> NAME/KEY: MISC\_FEATURE  
46 <222> LOCATION: (20)..(20)  
47 <223> OTHER INFORMATION: Xaa is sarcosine  
49 <400> SEQUENCE: 1

W--> 51 Xaa Gly Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln  
52 1 5 10 15

55 Pro Leu Arg Xaa  
56 20

59 <210> SEQ ID NO: 2  
60 <211> LENGTH: 15  
61 <212> TYPE: PRT  
62 <213> ORGANISM: artificial  
64 <220> FEATURE:  
65 <223> OTHER INFORMATION: synthetic peptide

**Does Not Comply  
Corrected Diskette Needed**

*pp 2*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/555,860

DATE: 08/14/2006

TIME: 13:37:41

Input Set : A:\00755761.TXT

Output Set: N:\CRF4\08142006\J555860.raw

68 <220> FEATURE:  
 69 <221> NAME/KEY: MISC\_FEATURE  
 70 <222> LOCATION: (1)..(1)  
 71 <223> OTHER INFORMATION: Xaa is N-acetylisoLeucine  
 73 <400> SEQUENCE: 2  
 W--> 75 Xaa Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Lys  
       76 1                  5                  10                  15  
 79 <210> SEQ ID NO: 3  
 80 <211> LENGTH: 14  
 81 <212> TYPE: PRT  
 82 <213> ORGANISM: artificial  
 84 <220> FEATURE:  
 85 <223> OTHER INFORMATION: synthetic peptide  
 88 <220> FEATURE:  
 89 <221> NAME/KEY: MISC\_FEATURE  
 90 <222> LOCATION: (1)..(1)  
 91 <223> OTHER INFORMATION: Xaa is N-acetylisoLeucine  
 93 <400> SEQUENCE: 3  
 W--> 95 Xaa Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala  
       96 1                  5                  10  
 99 <210> SEQ ID NO: 4  
 100 <211> LENGTH: 20  
 101 <212> TYPE: PRT  
 102 <213> ORGANISM: artificial  
 104 <220> FEATURE:  
 105 <223> OTHER INFORMATION: synthetic peptide  
 108 <220> FEATURE:  
 109 <221> NAME/KEY: MISC\_FEATURE  
 110 <222> LOCATION: (1)..(1)  
 111 <223> OTHER INFORMATION: Xaa is N-acetylGlycine  
 113 <220> FEATURE:  
 114 <221> NAME/KEY: MISC\_FEATURE  
 115 <222> LOCATION: (13)..(13)  
 116 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine  
 118 <400> SEQUENCE: 4  
 W--> 120 Xaa Gly Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln  
       121 1                  5                  10                  15  
 124 Pro Leu Arg Lys  
 125                  20  
 128 <210> SEQ ID NO: 5  
 129 <211> LENGTH: 14  
 130 <212> TYPE: PRT  
 131 <213> ORGANISM: artificial synthetic  
 133 <220> FEATURE:  
 134 <223> OTHER INFORMATION: synthetic peptide  
 137 <220> FEATURE:  
 138 <221> NAME/KEY: MISC\_FEATURE  
 139 <222> LOCATION: (1)..(1)  
 140 <223> OTHER INFORMATION: Xaa is N-acetylisoLeucine

## RAW SEQUENCE LISTING

DATE: 08/14/2006

PATENT APPLICATION: US/10/555,860

TIME: 13:37:41

Input Set : A:\00755761.TXT

Output Set: N:\CRF4\08142006\J555860.raw

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142 <220> FEATURE:
143 <221> NAME/KEY: MISC_FEATURE
144 <222> LOCATION: (9)..(9)
145 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine
147 <220> FEATURE:
148 <221> NAME/KEY: MISC_FEATURE
149 <222> LOCATION: (14)..(14)
150 <223> OTHER INFORMATION: Xaa is sarcosine
152 <400> SEQUENCE: 5
W--> 154 Xaa Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Xaa
      155 1                5                10
158 <210> SEQ ID NO: 6
159 <211> LENGTH: 14
160 <212> TYPE: PRT
161 <213> ORGANISM: artificial
163 <220> FEATURE:
164 <223> OTHER INFORMATION: synthetic peptide
167 <220> FEATURE:
168 <221> NAME/KEY: MISC_FEATURE
169 <222> LOCATION: (1)..(1)
170 <223> OTHER INFORMATION: Xaa is N-acetylisoleucine
172 <220> FEATURE:
173 <221> NAME/KEY: MISC_FEATURE
174 <222> LOCATION: (14)..(14)
175 <223> OTHER INFORMATION: Xaa is sarcosine
177 <400> SEQUENCE: 6
W--> 179 Xaa Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Xaa
      180 1                5                10
183 <210> SEQ ID NO: 7
184 <211> LENGTH: 10
185 <212> TYPE: PRT
186 <213> ORGANISM: artificial
188 <220> FEATURE:
189 <223> OTHER INFORMATION: synthetic peptide
192 <220> FEATURE:
193 <221> NAME/KEY: MISC_FEATURE
194 <222> LOCATION: (1)..(1)
195 <223> OTHER INFORMATION: Xaa is C
197 <220> FEATURE:
198 <221> NAME/KEY: MISC_FEATURE
199 <222> LOCATION: (2)..(2)
200 <223> OTHER INFORMATION: Xaa is R, H, L, or W
202 <220> FEATURE:
203 <221> NAME/KEY: MISC_FEATURE
204 <222> LOCATION: (3)..(3)
205 <223> OTHER INFORMATION: Xaa is M, F, or I
207 <220> FEATURE:
208 <221> NAME/KEY: MISC_FEATURE
209 <222> LOCATION: (6)..(6)

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## RAW SEQUENCE LISTING

DATE: 08/14/2006

PATENT APPLICATION: US/10/555,860

TIME: 13:37:41

Input Set : A:\00755761.TXT

Output Set: N:\CRF4\08142006\J555860.raw

210 <223> OTHER INFORMATION: Xaa is any one of the 20 genetically coded L-amino acids

212 <220> FEATURE:

213 <221> NAME/KEY: MISC\_FEATURE

214 <222> LOCATION: (9)..(9)

215 <223> OTHER INFORMATION: Xaa is D, E, I, L, or V

217 <220> FEATURE:

218 <221> NAME/KEY: MISC\_FEATURE

219 <222> LOCATION: (10)..(10)

220 <223> OTHER INFORMATION: Xaa is C

222 <400> SEQUENCE: 7

W--> 224 Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa

225 1 5 10

228 <210> SEQ ID NO: 8

229 <211> LENGTH: 17

230 <212> TYPE: PRT

231 <213> ORGANISM: artificial

233 <220> FEATURE:

234 <223> OTHER INFORMATION: synthetic peptide

237 <220> FEATURE:

238 <221> NAME/KEY: MISC\_FEATURE

239 <222> LOCATION: (11)..(11)

240 <223> OTHER INFORMATION: Xaa is tryptophan (W), 1-naphthylalanine (1-nal),

or

241 2-naphthylalanine (2-nal)

243 <400> SEQUENCE: 8

W--> 245 Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln Pro Leu

246 1 5 10 15

249 Arg

253 <210> SEQ ID NO: 9

254 <211> LENGTH: 21

255 <212> TYPE: PRT

256 <213> ORGANISM: artificial

258 <220> FEATURE:

259 <223> OTHER INFORMATION: synthetic peptide

262 <220> FEATURE:

263 <221> NAME/KEY: MISC\_FEATURE

264 <222> LOCATION: (1)..(1)

265 <223> OTHER INFORMATION: Xaa is N-acetylglycine

267 <220> FEATURE:

268 <221> NAME/KEY: MISC\_FEATURE

269 <222> LOCATION: (13)..(13)

270 <223> OTHER INFORMATION: Xaa is 1-naphthylalanine

272 <220> FEATURE:

273 <221> NAME/KEY: MISC\_FEATURE

274 <222> LOCATION: (20)..(20)

275 <223> OTHER INFORMATION: Xaa is sarcosine

277 <400> SEQUENCE: 9

W--> 279 Xaa Gly Leu Tyr Ala Cys His Met Gly Pro Ile Thr Xaa Val Cys Gln

280 1 5 10 15

283 Pro Leu Arg Xaa Lys

**RAW SEQUENCE LISTING**

DATE: 08/14/2006

PATENT APPLICATION: US/10/555,860

TIME: 13:37:41

Input Set : A:\00755761.TXT

Output Set: N:\CRF4\08142006\J555860.raw

284

20

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/555,860

DATE: 08/14/2006  
TIME: 13:37:42

Input Set : A:\00755761.TXT  
Output Set: N:\CRF4\08142006\J555860.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 13, 20

Seq#:2; Xaa Pos. 1

Seq#:3; Xaa Pos. 1

Seq#:4; Xaa Pos. 1, 13

Seq#:5; Xaa Pos. 1, 9, 14

Seq#:6; Xaa Pos. 1, 14

Seq#:7; Xaa Pos. 1, 2, 3, 6, 9, 10

Seq#:8; Xaa Pos. 11

Seq#:9; Xaa Pos. 1, 13, 20

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9



## VERIFICATION SUMMARY

DATE: 08/14/2006

PATENT APPLICATION: US/10/555,860

TIME: 13:37:42

Input Set : A:\00755761.TXT

Output Set: N:\CRF4\08142006\J555860.raw

L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
M:341 Repeated in SeqNo=9